

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (currently amended): A construction element,  
2 comprising:  
3 at least one first side with at least one first  
4 opening;  
5 at least one second side with at least one second  
6 opening;  
7 at least one first cavity bounded between the first  
8 and second ~~side~~ sides and which is connected to the first  
9 opening;  
10 at least one second cavity bounded between the first  
11 and second side and which is connected to the second  
12 opening, with the first and second cavities at least  
13 partially overlapping; and  
14 at least one connection between the first side and  
15 second side which at least partially bounds the first and  
16 second cavities ~~at least partly,~~  
17 wherein the first side, the second side and the  
18 connection form a monolithic entity; and  
19 at least one of the first and second cavities  
20 narrows towards the opening connected to it.

1 Claim 2 (previously presented): A construction element  
2 according to claim 1, wherein at least one of the first and  
3 second cavities is conical or pyramidal.

1 Claim 3 (currently amended): A construction element  
2 according to claim 1, comprising+ at least two beam-shaped  
3 connections between the first and second side, which at  
4 least partially bound the first and second cavities ~~at least~~  
5 ~~partly~~.

1 Claim 4 (original): A construction element according to  
2 claim 3, wherein the beam-shaped connections form  
3 generatrices of a cone or ribs of a pyramid.

1 Claim 5 (previously presented): A construction element  
2 according to claim 3, wherein the beam-shaped connections  
3 also form ribs of the construction element.

Claim 6 (canceled).

1 Claim 7 (previously presented): A construction element  
2 according to claim 1, wherein less than 10% of the surface  
3 of the first side is formed by openings.

1 Claim 8 (previously presented): A construction element  
2 according to claim 1, wherein less than 10% of the surface  
3 of the second side is formed by openings.

1 Claim 9 (previously presented): A construction element  
2 according to claim 1, wherein the first and second cavities  
3 comprise at least 50% of a volume of the construction  
4 element located between the first side and second side.

1 Claim 10 (previously presented): A construction element  
2 according to claim 1, wherein the first and second cavities

3      comprise 90% of a volume of the construction element located  
4      between the first side and second side.

1      Claim 11 (previously presented): A construction element  
2      according to claim 1, wherein the first side and the second  
3      side are at a distance from each other.

1      Claim 12 (previously presented): A construction element  
2      according to claim 1, wherein the first side is not parallel  
3      to the second side.

1      Claim 13 (previously presented): A construction element  
2      according to claim 1, wherein the first side and the second  
3      side are substantially parallel.

1      Claim 14 (currently amended): A construction element  
2      according to claim 1, further comprising+ at least one side  
3      surface between the first and the second ~~side~~ sides.

1      Claim 15 (previously presented): A construction element  
2      according to claim 1, wherein at least one of the side  
3      surfaces or sides is at least partly curved.

1      Claim 16 (original): A construction element according to  
2      claim 14, wherein at least one of the side surfaces or sides  
3      is single-curved.

1      Claim 17 (original): A construction element according to  
2      claim 14, wherein at least one of the side surfaces or sides  
3      is multi-curved.

1 Claim 18 (currently amended): A construction element  
2 according to claim 14, wherein the surface of at least one  
3 of the first and second sides is annular and ~~between the~~  
4 ~~sides,~~ a first side surface and a second side surface are  
5 present between the sides.

1 Claim 19 (original): A construction element according to  
2 claim 18, wherein the diameter of the annular first side is  
3 greater than the diameter of the annular second side.

1 Claim 20 (previously presented): A construction element  
2 according to claim 15, wherein the first side surface and  
3 the second side surface have a greater surface than the  
4 first side or the second side.

1 Claim 21 (previously presented): A construction element  
2 according to claim 1, wherein at least one of the side  
3 surfaces is disc-shaped.

1 Claim 22 (previously presented): A construction element  
2 according to claim 1, with a spherical element surface  
3 comprising the first side and second side.

1 Claim 23 (previously presented): A construction element  
2 according to claim 1, which is, at least partly, of  
3 aluminum.

1 Claim 24 (currently amended): A construction element  
2 according to claim 1, wherein at least one side or surface  
3 of which is at least partially a reflecting surface, ~~at~~  
4 ~~least partly~~.

1 Claim 25 (currently amended): A construction element ~~is a~~  
2 ~~construction element~~ according to claim 21 wherein one of  
3 the disc-shaped side surfaces comprises a reflecting  
4 surface.

1 Claim 26 (currently amended): A method for manufacturing a  
2 construction element according to claim 1 from a workpiece  
3 with at least a first side and at least a second side, the  
4 method comprising the steps of:

5 providing a first opening in the first side;  
6 removing material, at least partly, located between  
7 the first and second ~~side~~ sides via the first opening, so  
8 that a first cavity bounded between the first and second  
9 ~~side~~ sides and connected to the first opening is obtained in  
10 the workpiece;

11 providing a second opening in the second side; and  
12 removing material, at least partly, located between  
13 the first and second ~~side~~ sides via the second opening, so  
14 that a second cavity bounded between the first and second  
15 ~~side~~ sides and connected to the second opening is obtained  
16 in the workpiece; and

17 wherein the removal of material is carried out such  
18 that the first and second cavities at least partly overlap,  
19 and that between the first side and second side at least one  
20 connecting element is formed which at least partially bounds  
21 ~~bounding~~ the first and second cavities ~~at least partly~~ and  
22 at least one of the first and second cavities narrows  
23 towards the opening connected to it.

1 Claim 27 (currently amended): An apparatus for manufacturing  
2 a construction element according to claim 1, comprising:  
3 at least one machining element; and

4           at least one holder for at least one workpiece with  
5           at least a first side and at least a second side, and  
6           at least one control apparatus for driving the at least one  
7           machining element and the at least one holder, wherein the  
8           at least one control apparatus is arranged for:

9           providing at least a first opening in a first side;  
10          removing material, at least partly, located between  
11          the first side and a second side with the at least one  
12          machining element via the at least one first opening, so  
13          that at least a first cavity bounded between the first and  
14          second ~~side~~ sides and connected to the first opening is  
15          obtained;

16          providing at least one second opening in a the  
17          second side and removing material, at least partly, located  
18          between the first and second ~~side~~ sides with the at least  
19          one machining element via the at least second opening, so  
20          that at least a second cavity bounded between the first and  
21          second ~~side~~ sides and connected to the second opening is  
22          obtained; and

23          providing that the first and second cavities at  
24          least partly overlap and that between the first side and  
25          second side at least one connecting element is formed  
26          bounding the first and second cavities at least partly and  
27          that at least one of the first and cavities narrows towards  
28          the opening connected to it.

1          Claim 28 (original): An apparatus according to claim 27,  
2          wherein at least one of the at least one machining elements  
3          comprises a multiaxial milling apparatus.

1          Claim 29 (currently amended): A data carrier provided with  
2          data representing a program loadable in a programmable

3 apparatus, which program comprises program code for carrying  
4 out when loaded an apparatus according to claim 27 the steps  
5 of:

6 providing a first opening in the first side of the  
7 workpiece;

8 removing material, at least partly, located between the  
9 first and second ~~side~~ sides via the first opening, so that a  
10 first cavity bounded between the first and second ~~side~~ sides  
11 and connected to the first opening is obtained in the  
12 workpiece:

13 providing a second opening in the second side of the  
14 workpiece and

15 removing material, at least partly, located between the  
16 first and second ~~side~~ sides via the second opening, so that  
17 a second cavity bounded between the first and second ~~side~~  
18 sides and connected to the second opening is obtained in the  
19 workpiece:

20 wherein the removal of material is carried out such  
21 that the first and second cavities at least partly overlap  
22 and that between the first side and second side at least one  
23 connecting element is formed which at least partially bounds  
24 ~~bounding~~ the first and second cavities ~~at least partly~~ and  
25 at least one of the first and second cavities narrows  
26 towards the opening connected to it.